

Abstract

The present invention relates to a microcapsule that can be used to form a rewritable medium for visual displays that are stable in the presence of electric fields having a strength that is typical in the work environment. The microcapsule of the invention comprises charged particles of one or more colors that are suspended in a phase change material that has a melting temperature in the range of between about 30°C and about 200°C. The microcapsules can be used to form an electrophoretic coating that includes microcapsules of the invention distributed throughout a polymer matrix. The electrophoretic coating can be used to coat a substrate to form a rewritable medium.